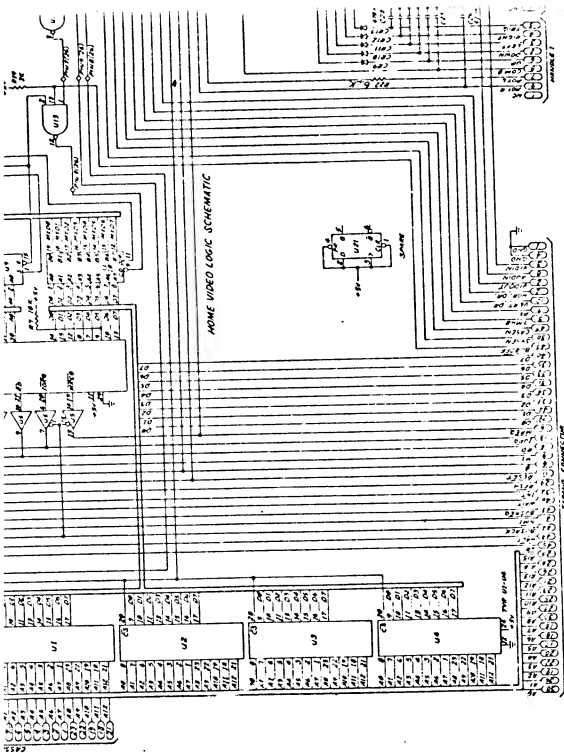
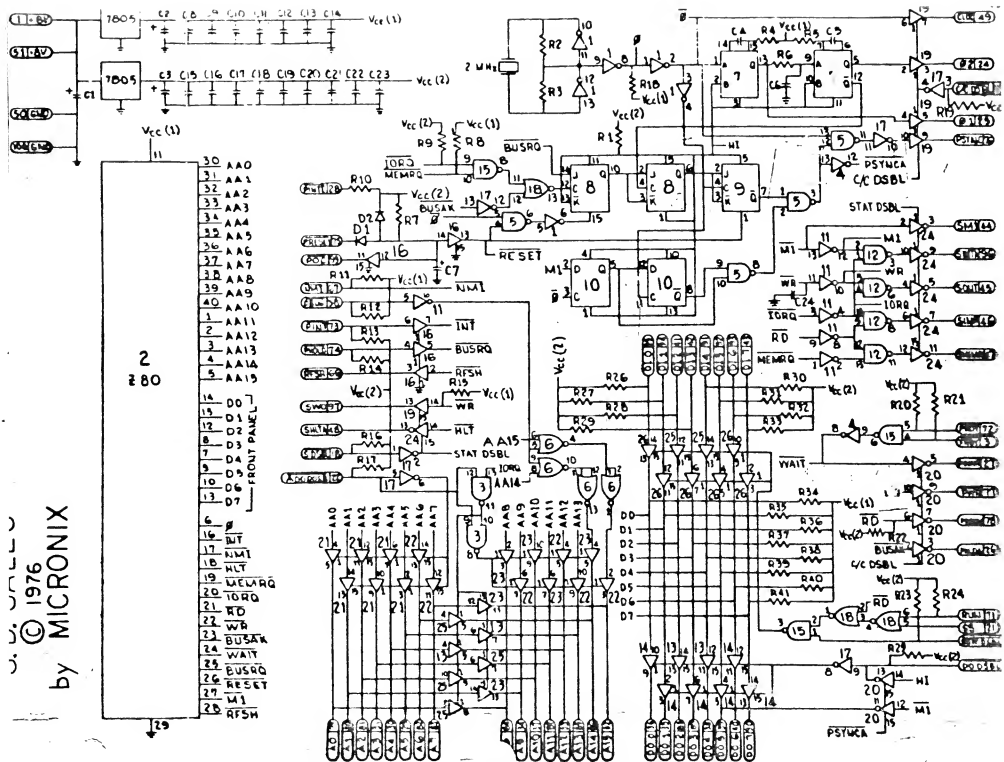


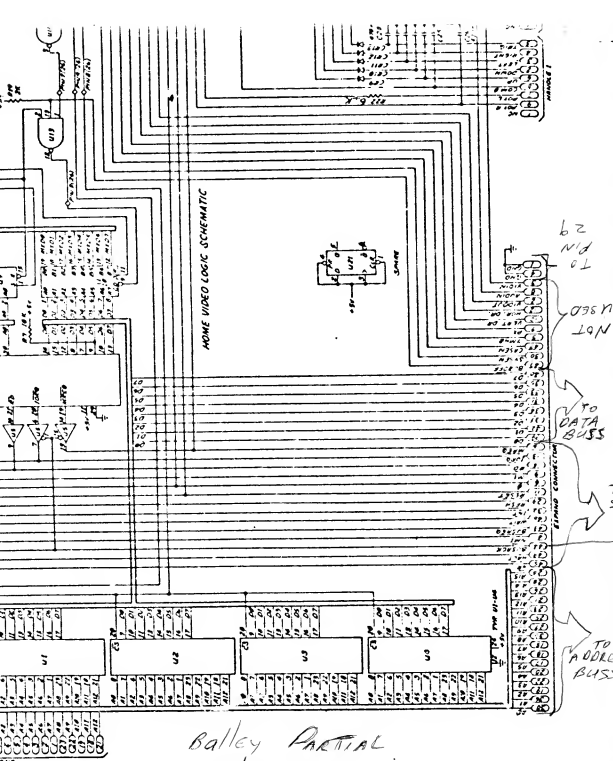
This is an outstanding idea with many possibilities - in theory, at least. Sorry I didn't think of it. There appears to be at least three possible problems, however. The first is that PSYNC is not synced to the CPU clock, possibly causing problems with some S100 boards. The second deals with the fact that the BALLY WAIT line cannot be connected to a device capable of sourcing current as it appears IC4 will do. The third deals with the necessity of providing BALLY with the correct signals on the BUZOFF line.

None of these problems are insurmountable, but may require extensive modifications to the S-D Sales CPU board to circumvent.



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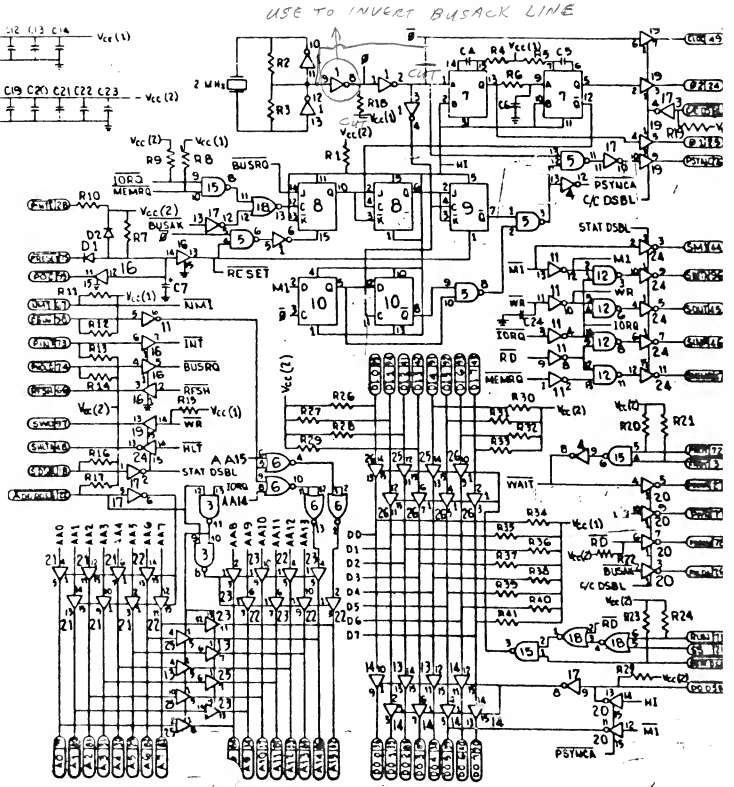
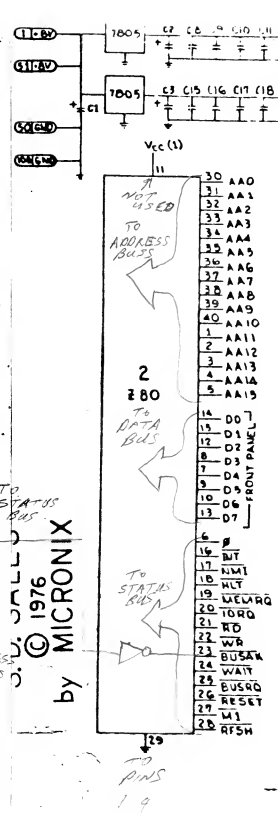




Bayley PARTIAL
SCHEMATIC

S-100 INTERFACE

The BUSACK LINE HAS TO BE INVERTED
YOU CAN USE ONE OF THE INVERTER FROM
IC1 (7404), IT HAS TO BE CUT OUT ANYWAY,
ALSO DISCONNECT R18 (PIN 8 OF IC1).
IC1 SHOULD BE CHANGED TO A 74LS04, SO
THAT YOU DON'T LOAD DOWN BALLEY'S
BUSACK LINE.



SD-SALES 280 CPU BOARD

IF YOU WANT A 2MHz CLOCK ON
PIN 49 (S100 Buss) INSTEAD OF BALLEY'S
CLOCK FREQUENCY, YOU'LL NEED THIS
FOR CASSETTE INTERFACES, VIDEO BOARDS,
AND OTHER DEVICES THAT REQUIRE A 2MHz
CLOCK, CONNECT IC1 PIN 11 OR 12 TO IC19 PIN 6.
CUT THE LINE BETWEEN IC19 PIN 6 AND IC1 PIN 2 AND IC7 PIN 1
YOU MIGHT HAVE TO ADJUST R2 AND R3 TO WORK WITH A 74LS04 OVER

THE CONNECTOR AND RIBBON CABLE TO FIT THE BAILEY
EXPANSION BUS ARE MADE BY ANSLEY, THE CONNECTORS
PART # IS 609-5005, \$11.95 IN CANADA. IT'S HARD
TO USE A CONNECTOR ON THE CPU BOARD SINCE IT ISN'T
A PIN FOR PIN MATCH TO BAILEY'S BUS. THE EASIEST
WAY TO CONNECT TO THE CPU BOARD IS TO REMOVE
THE 280 IC AND IT'S SOCKET, AND ~~WIRE~~ SOLDER
RIBBON CABLE DIRECTLY TO THE CPU BOARD.

I ENCLOSED ANOTHER COPY OF THE SCHEMATICS
IN CASE YOU WANT TO REDRAW IT A BIT BETTER,
ALSO \$6.00 FOR A SUBSCRIPTION, AND EXECUTIVE SOFTWARE DATA.

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